

4.2.D. 0603000404.

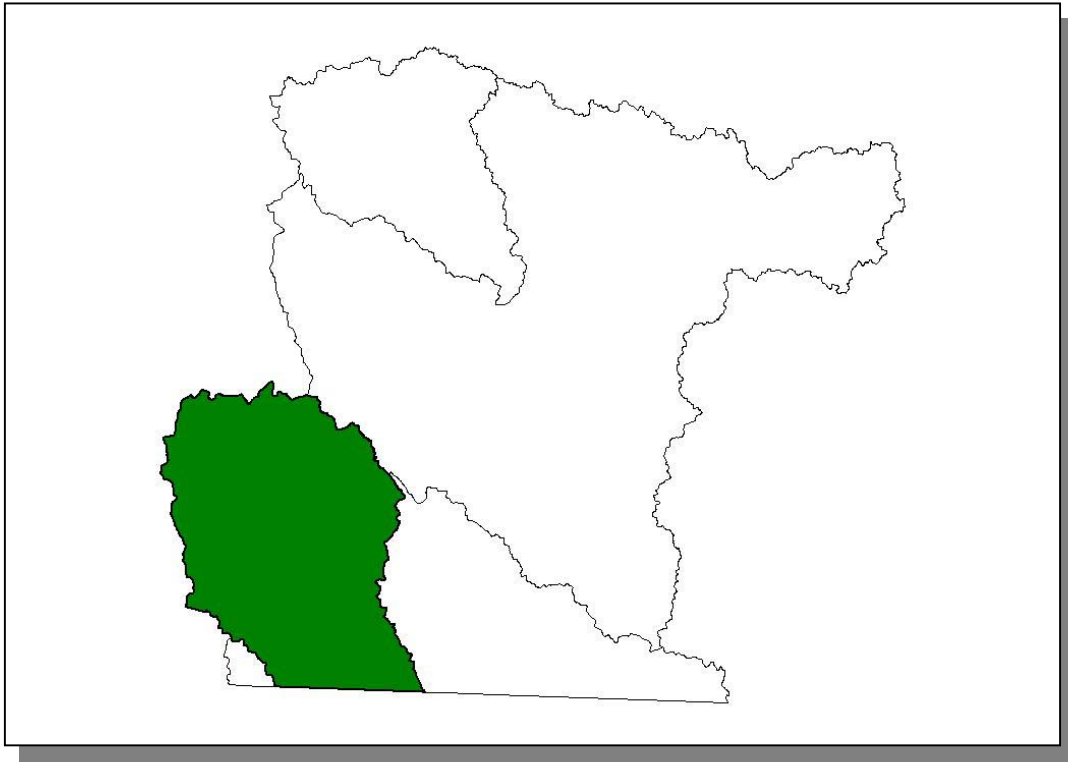


Figure 4-29. Location of Subwatershed 0603000404. All Lower Elk HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.D.i. General Description.

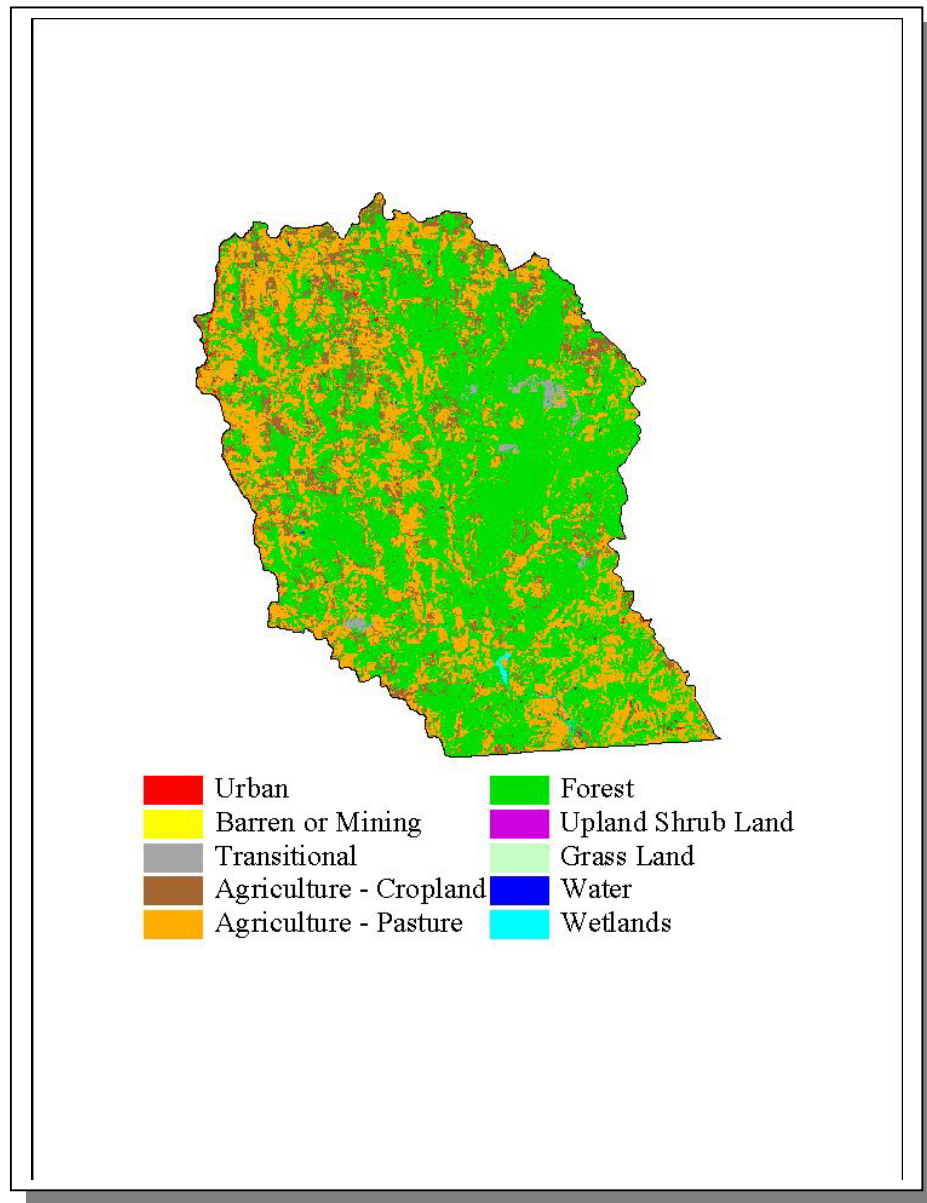


Figure 4-30. Illustration of Land Use Distribution in Subwatershed 0603000404.

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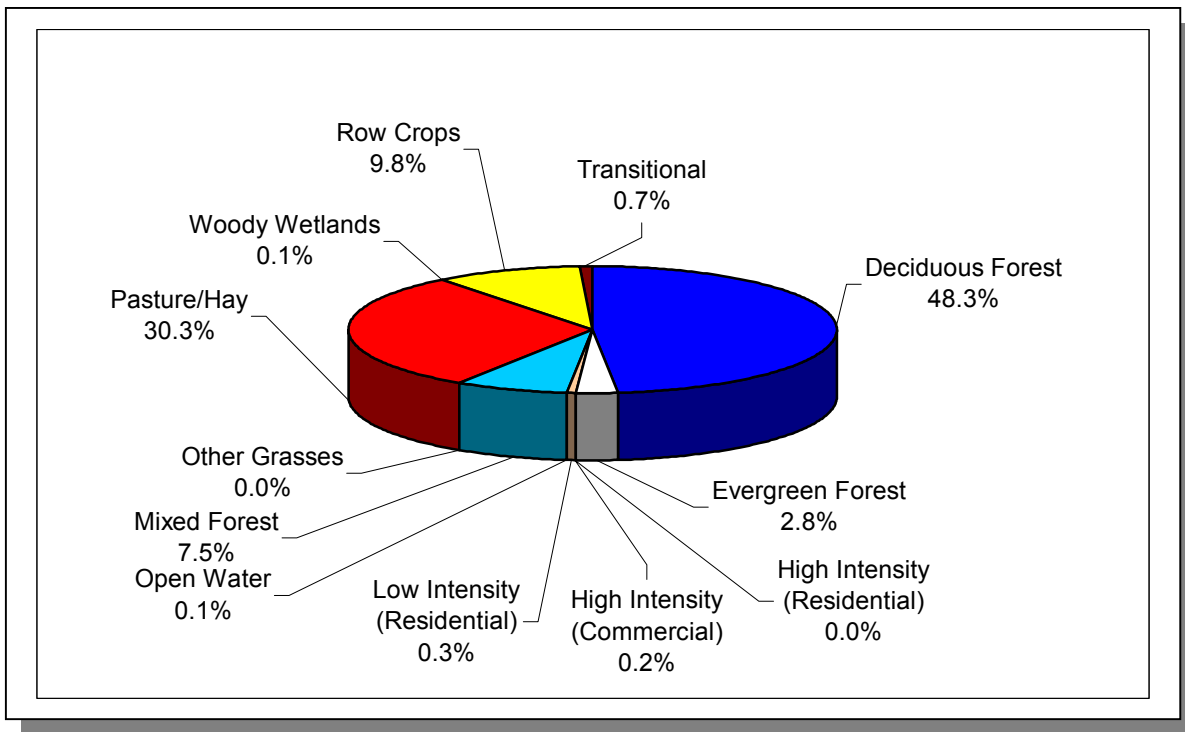


Figure 4-31. Land Use Distribution in Subwatershed 0603000404. More information is provided in Lower Elk-Appendix IV.

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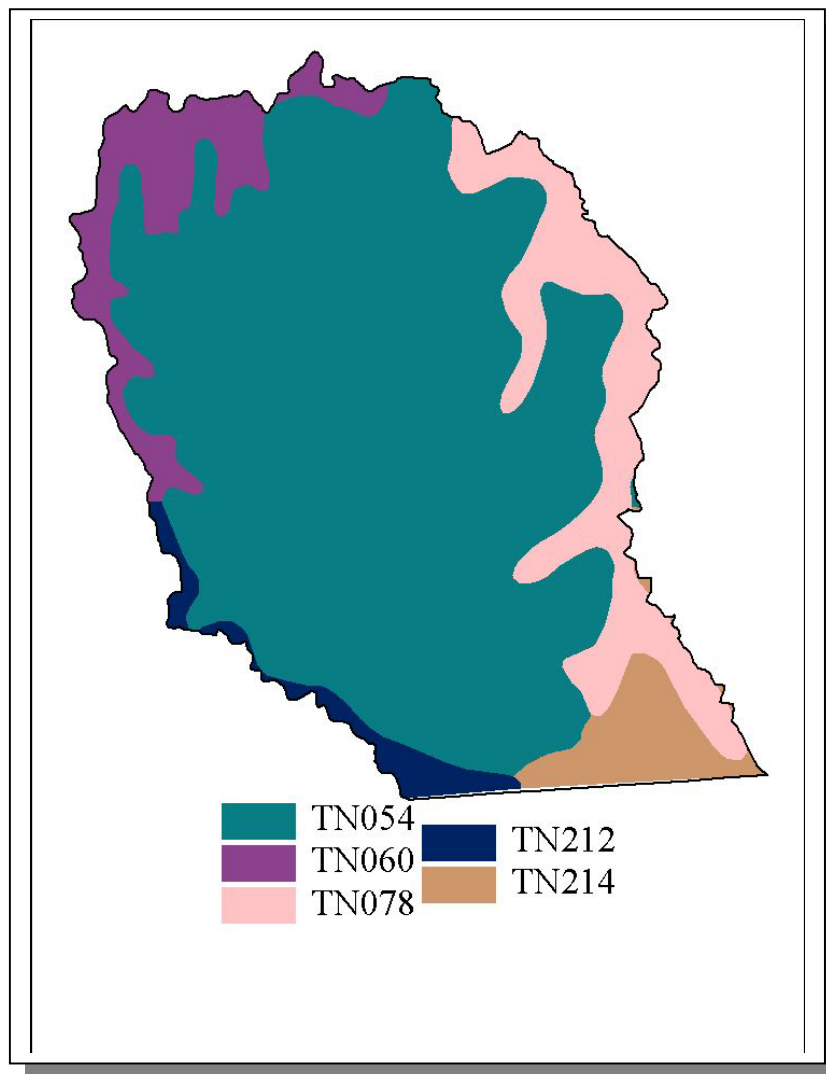


Figure 4-32. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0603000404.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN078	5.00	B	1.73	4.96	Silty Loam	0.39
TN212	4.00	B	1.95	5.04	Silty Loam	0.38
TN214	0.00	B	2.52	4.86	Loam	0.32

Table 4-22. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0603000404. More information is provided in Lower Elk-Appendix IV.

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County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		PERCENT CHANGE
	1990	1997 Est.		1990	1997	
Giles	25,741	28,515	6.84	1,760	1,950	10.8
Lawrence	35,303	39,095	13.74	4,852	5,373	10.7
Total	61,044	67,610		6,612	7,323	10.8

Table 4-23. Population Estimates in Subwatershed 0603000404.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Minor Hill	Giles	351	186	2	182	2

Table 4-24. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0603000404.

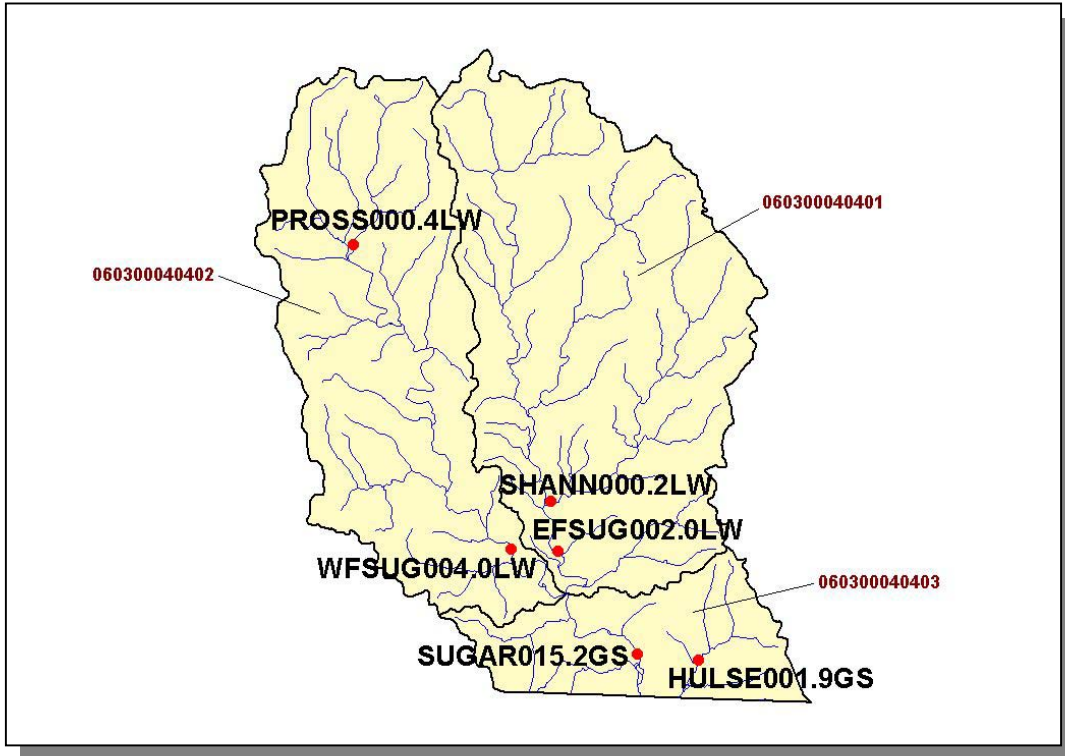


Figure 4-33. Location of STORET Monitoring Sites in Subwatershed 0603000404. Subwatershed 060300040401, 060300040402, and 060300040403 boundaries are shown for reference. More information is provided in Lower Elk-Appendix IV.

4.2.D.ii. Point Source Contributions.

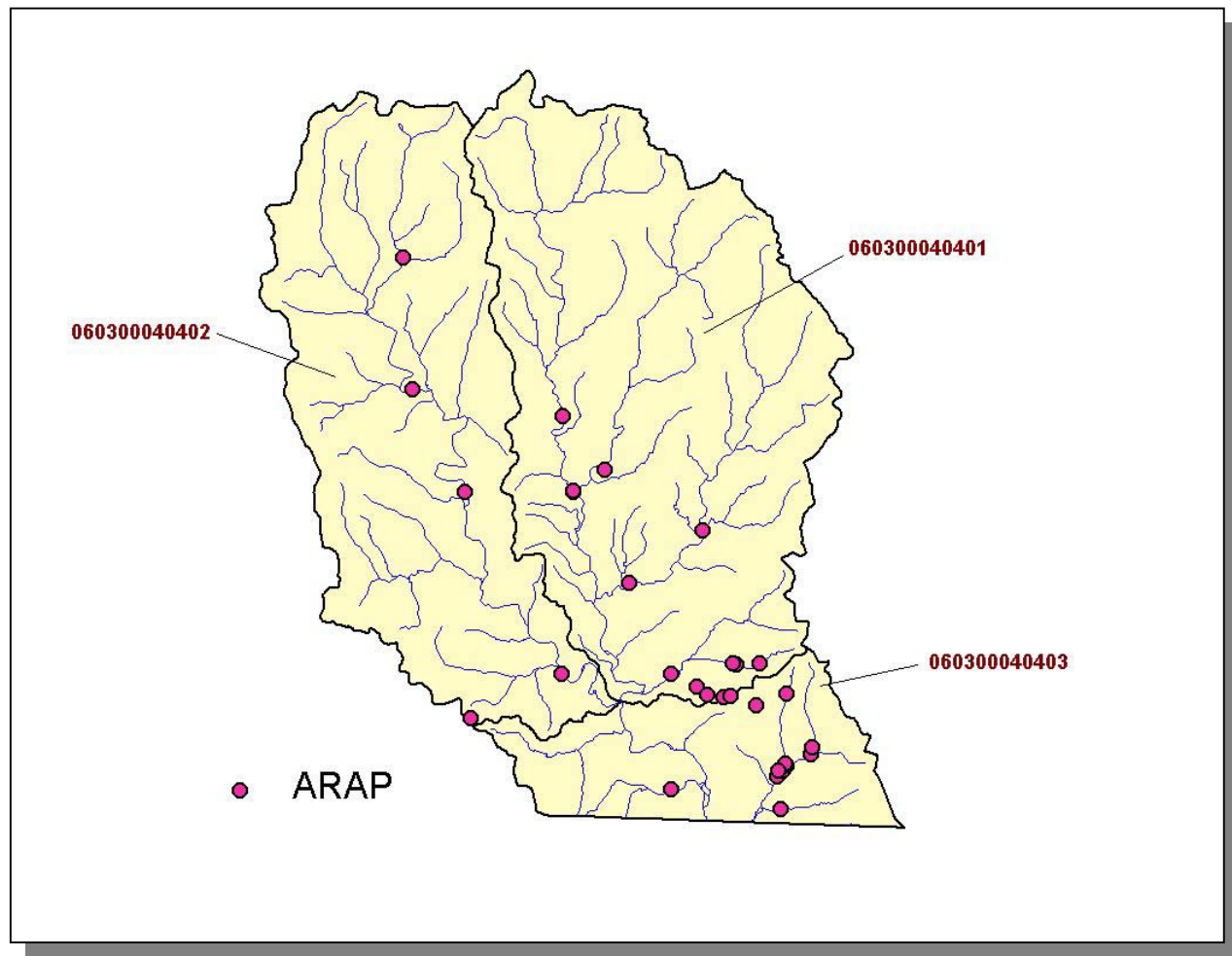


Figure 4-34. Location of Active Point Source Facilities in Subwatershed 0603000404. Subwatershed 060300040401, 060300040402, and 060300040403 boundaries are shown for reference. More information is provided in the following charts.

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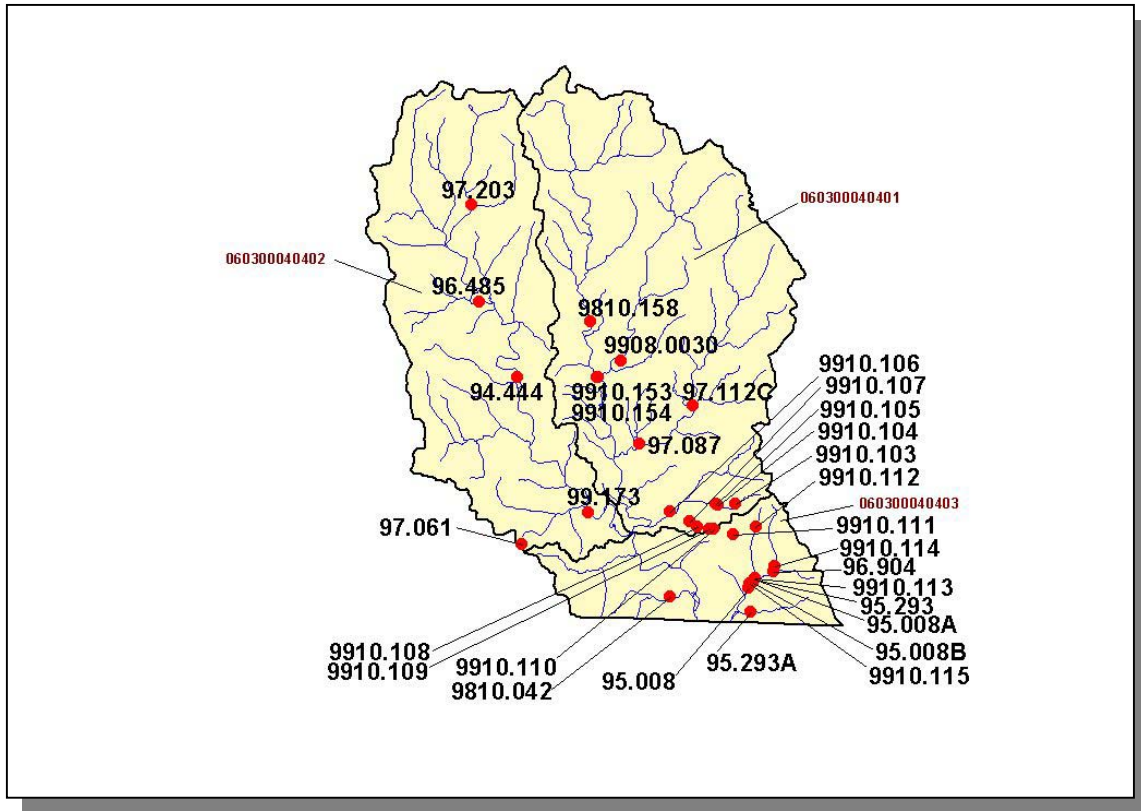


Figure 4-35. Location of ARAP Sites (Individual Permits) in Subwatershed 0603000404. Subwatershed 060300040401, 060300040402, and 060300040403 boundaries are shown for reference. More information is provided in Lower Elk-Appendix IV.

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4.2.D.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Milk Cow	Cattle	Chickens	Chickens Sold	Hogs	Sheep
8,330	904	16,724	25	68,050	2,511	69

Table 4-25. Summary of Livestock Count Estimates in Subwatershed 0603000404. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Giles	171.8	171.8	3.3	11.4
Lawrence	199.8	199.8	6.6	27.1
Total	371.6	371.6	9.9	38.5

Table 4-26. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0603000404.

CROPS	TONS/ACRE/YEAR
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Corn (Row Crops)	5.01
Soybeans (Row Crops)	20.33
Cotton (Row Crops)	8.07
All Other Row Crops	2.70
Wheat (Close Grown Cropland)	10.09
Barley (Close Grown Cropland)	1.08
All Other Close Grown Cropland	1.80
Grass (Hayland)	0.20
Legume/Grass (Hayland)	0.46
Grass (Pastureland)	0.51
Grass, Forbs, Legumes (Mixed Pasture)	0.34
Conservation Reserve Program Land	0.68
Other Vegetable and Truck Crops	4.29
Summer Fallow (Other Cropland)	0.35
Other Cropland not Planted	9.14
Farmsteads and Ranch Headquarters	4.37
Non Agricultural Land Use	0.00

Table 4-27. Annual Soil Loss in Subwatershed 0603000404.